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learn everything you need to manage and handle your systems with ease with ansible 2 using this comprehensive guide about this book simplify the automation of applications and systems using the newest version of ansible get acquainted with fundamentals of ansible such as playbooks modules and various testing strategies a comprehensive learning guide that provides you with great skills to automate your organization s infrastructure using ansible 2 who this book is for the book is for sys admins who want to automate their organization s infrastructure using ansible 2 no prior knowledge of ansible is required what you will learn set up ansible 2 and an ansible 2 project in a future proof way perform basic operations with ansible 2 such as creating copying moving changing and deleting files and creating and deleting users deploy complete cloud environments using ansible 2 on aws and digitalocean explore complex operations with ansible 2 ansible vault e mails and nagios develop and test ansible playbooks write a custom module and test it in detail ansible is an open source automation platform that assists organizations with tasks such as configuration management application deployment orchestration and task automation with ansible even complex tasks can be handled easier than before in this book you will learn about the fundamentals and practical aspects of ansible 2 by diving deeply into topics such as installation linux bsd and windows support playbooks modules various testing strategies provisioning deployment and orchestration in this book you will get accustomed with the new features of ansible 2 such as cleaner architecture task blocks playbook parsing new execution strategy plugins and modules you will also learn how to integrate ansible with cloud platforms such as aws the book ends with the enterprise versions of ansible ansible tower and ansible galaxy where you will learn to interact ansible with different oses to speed up your work to previously unseen levels by the end of the book you ll be able to leverage the ansible parameters to create expeditious tasks for your organization by implementing the ansible 2 techniques and paradigms style and approach this book is a step by step learning guide on the all new ansible 2 which is an ideal configuration management tool

this four volume set lncs 16053 16056 constitutes the refereed proceedings of the 30th european symposium on research in computer security esorics 2025 held in toulouse france during

september 22 24 2025 the 100 full papers presented in these proceedings were carefully reviewed and selected from 600 submissions they were organized in topical sections as follows ai and data centric security systems and hardware security privacy cryptography and secure protocol design blockchain and financial security privacy policy and identity management adversarial and backdoor defenses

continue your python network automation journey and delve deeper into advanced techniques and methodologies volume 2 of this comprehensive guide takes you beyond the essentials equipping you with advanced skills and strategies crucial for success in network automation building upon the knowledge gained in volume 1 you ll set the stage for mastery in this dynamic field you ll start by establishing a robust lab environment for advanced automation projects tailored to your needs and use practical exercises to gain valuable insights into essential networking protocols then automate repetitive tasks with precision and efficiency by leveraging powerful python libraries and tools you ll also see how to streamline ip address management and data center infrastructure management tasks with python discover advanced techniques for network management and monitoring to optimize network performance and security explore the development of custom tools and applications for cisco ios upgrade tasks in complex network environments and put your skills to the test with real world scenarios all this is designed to solidify your expertise and confidence in network automation practices your network management capabilities will be enhanced with advanced tools such as netbox introduction to python network automation volume 2 stepping up provides a comprehensive roadmap to elevate your skills and excel in the dynamic field of network automation whether you re a seasoned professional or a newcomer to the field this guide equips you with the tools and knowledge needed to thrive in today s network automation landscape what you will learn apply python fundamentals and network automation strategies effectively utilize python for streamlined network administration boosting productivity consolidate linux fundamentals and ip network services for enhanced network management practice implementing regular expressions in python for network application development develop working cisco ios upgrading python application in poc environment explore python s extensive applications in enterprise network automation for versatile solutions who this book is for it engineers and developers

network managers and students who would like to learn network automation using python

this book is a collection of peer reviewed best selected research papers presented at the first international conference on machine intelligence and smart systems 2020 miss 2020 organized during september 24 25 2020 in gwalior india the book presents new advances and research results in the fields of machine intelligence artificial intelligence and smart systems it includes main paradigms of machine intelligence algorithms namely 1 neural networks 2 evolutionary computation 3 swarm intelligence 4 fuzzy systems and 5 immunological computation

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whether you re deploying applications on premise or in the cloud this cookbook provides developers operators and it professionals with more than 130 proven recipes for working with docker with these practical solutions experienced developers with no previous knowledge of docker will be able to package and deploy distributed applications within a couple of chapters it professionals will be able to solve everyday problems as well as create run share and deploy docker images operators will quickly be able to adopt the tools that will change the way they work the recipes in this book will help you manage containers mount data volumes and link containers create and share container images network containers across single or multiple hosts tackle advanced topics such as docker configuration and development deploy multi container applications on a distributed cluster with kubernetes use a new generation of operating systems optimized for docker learn tools for application deployment continuous integration service discovery and orchestration access a docker host on amazon aws google gce and microsoft azure monitor containers and explore different application use cases

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every enterprise application creates data including log messages metrics user activity and outgoing messages learning how to move these items is almost as important as the data itself if you re an application architect developer or production engineer new to apache pulsar this practical guide shows you how to use this open source event streaming platform to handle real time data feeds jowanza joseph staff software engineer at finicity explains how to deploy production pulsar clusters write reliable event streaming applications and build scalable real time data pipelines with this platform through detailed examples you ll learn pulsar s design principles reliability guarantees key apis and architecture details including the replication protocol the load manager and the storage layer this book helps you understand how event streaming fits in the big data ecosystem explore pulsar producers consumers and readers for writing and reading events build scalable data pipelines by connecting pulsar with external systems simplify event streaming application building with pulsar functions manage pulsar to perform monitoring tuning and maintenance tasks use pulsar s operational measurements to secure a production cluster process event streams using flink and query event streams using presto

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design develop and solve real world automation and orchestration needs by unlocking the automation capabilities of ansible about this book discover how ansible works in detail explore use cases for ansible's advanced features including task delegation fast failures and serial task execution extend ansible with custom modules plugins and inventory sources who this book is for this book is intended for ansible developers and operators who have an understanding of the core elements and applications but are now looking to enhance their skills in applying automation using

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playbooks inventories and network modules as you progress you ll gain insight into the yaml syntax and learn how to port between ansible versions in addition to this you ll also understand how ansible enables you to orchestrate multi layer environments such as networks containers and the cloud by the end of this ansible book you ll be well versed in writing playbooks and other related ansible code to overcome just about all of your it challenges from infrastructure as code provisioning to application deployments and even handling the mundane day to day maintenance tasks that take up so much valuable time what you will learn become familiar with the fundamentals of the ansible framework set up role based variables and dependencies avoid common mistakes and pitfalls when writing automation code in ansible extend ansible by developing your own modules and plugins contribute to the ansible project by submitting your own code follow best practices for working with cloud environment inventories troubleshoot issues triggered during ansible playbook runs who this book is for if you are a devops engineer administrator or any it professional looking to automate it tasks using ansible this book is for you prior knowledge of ansible is not necessary

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packages for monitoring creating multiple users tenants taking instance snapshots and customizing your cloud to run multiple active regions each chapter will also supply a step by step tutorial on how to automate these tasks with ansible 2 packed with real world openstack administrative tasks this book will walk you through working examples and explain how these tasks can be automated using one of the most popular open source automation tools on the market today style and approach this book is a concise fast paced guide filled with real world scenarios that will execute openstack administrative tasks efficiently it serves as a quick reference guide for not just openstack functions but also for creating future ansible code

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